

L Number	Hits	Search Text	DB	Time stamp
-	290	((156/345.33) or (156/345.34)).CCLS.	USPAT; US-PGPUB	2004/04/16 12:46
-	13	4614639.URPN.	USPAT	2003/09/12 14:35
-	2	("3859535"   "4209357").PN.	USPAT	2003/09/12 14:44
-	8	5496410.URPN.	USPAT	2003/09/12 15:01
-	29	("4369031"   "4446815"   "4499853"   "4537795"   "4590042"   "4795529"   "4817558"   "4834020"   "4948458"   "4986216"   "4990229"   "4992665"   "5105761"   "5122251"   "5134965"   "5221556"   "5232508"   "5280154"   "5290993"   "5304247"   "5328722"   "5336326"   "5368646"   "5368710"   "5391232"   "5468298"   "5551982"   "5551985"   "5614055").PN.	USPAT	2003/09/12 15:13
-	3	("4496423"   "4595452"   "5273588").PN.	USPAT	2003/09/12 15:24
-	1	5996528.URPN.	USPAT	2003/09/12 15:25
-	273	118/715.ccls. and expand\$3	USPAT; US-PGPUB	2003/09/12 17:23
-	95	118/715.ccls. and (expand\$3 with gas)	USPAT; US-PGPUB	2003/09/12 17:52
-	2048	118/715.ccls.	USPAT; US-PGPUB	2004/04/14 17:56
-	1344	118/715.ccls. and (gas with (supply\$3 inlet deliver\$3entry entrance))	USPAT; US-PGPUB	2003/09/12 18:10
-	4	("3293074"   "3365336"   "3189494"   "3381114").PN.	USPAT	2003/09/12 17:58
-	26	3717439.URPN.	USPAT	2003/09/12 17:58
-	457	118/715.ccls. and (gas with ( deliver\$3 entry ))	USPAT; US-PGPUB	2003/09/12 18:11
-	6535	c23c016\$.ipc. and (gas with (supply\$3 inlet deliver\$3 entry entrance))	EPO; JPO; DERWENT	2003/09/12 18:11
-	0	c23c016\$.ipc. and (gas with (sexpand\$3))	EPO; JPO; DERWENT	2003/09/12 18:11
-	82	c23c016\$.ipc. and (gas with (expand\$3))	EPO; JPO; DERWENT	2003/09/12 18:11
-	1	"5000113".PN.	USPAT	2003/09/12 19:22
-	11	5338363.URPN.	USPAT	2003/09/12 19:22
-	4	5846330.URPN.	USPAT	2003/09/12 19:56
-	9	("4019091"   "4728863"   "4957062"   "5188671"   "5204145"   "5256205"   "5342660"   "5571332"   "5746834").PN.	USPAT	2003/09/12 19:57
-	11	("4649859"   "4817558"   "4825809"   "4981722"   "4986216"   "5204314"   "5284519"   "5338363"   "5372850"   "5445699"   "5458918").PN.	USPAT	2003/09/14 12:33
-	11	5338363.URPN.	USPAT	2003/09/14 13:34
-	13	4614639.URPN.	USPAT	2003/09/14 14:02
-	9	("4019091"   "4728863"   "4957062"   "5188671"   "5204145"   "5256205"   "5342660"   "5571332"   "5746834").PN.	USPAT	2003/09/14 14:10
-	4	5846330.URPN.	USPAT	2003/09/14 14:14
-	25	4909914.URPN.	USPAT	2003/09/14 14:30
-	8	4907534.URPN.	USPAT	2003/09/14 14:35
-	290	((156/345.33) or (156/345.34)).CCLS.	USPAT; US-PGPUB	2003/09/14 14:45
-	74	((156/345.33) or (156/345.34)).CCLS.) and ((taper\$3 chamfer\$3 funnel slant\$3 angl\$3) with surface)	USPAT; US-PGPUB	2003/09/14 14:46
-	0	6334983.URPN.	USPAT	2003/09/14 16:19
-	0	6334983.URPN.	USPAT	2003/09/14 16:19
-	1	"6108189".PN.	USPAT	2003/09/14 16:19
-	152	chen-ling\$.in. ku-vincent\$.in. wu-dien\$.in. chung-hua\$.in. ouye-alan\$.in.	USPAT; US-PGPUB	2003/09/17 18:17
-	152	chen-ling\$.in. ku-vincent\$.in. wu-dien\$.in. chung-hua\$.in. ouye-alan\$.in. nakashim-norman.in.	USPAT; US-PGPUB	2003/09/17 18:17
-	94	(chen-ling\$.in. ku-vincent\$.in. wu-dien\$.in. chung-hua\$.in. ouye-alan\$.in. nakashim-norman.in.) and gas	USPAT; US-PGPUB	2003/09/17 18:18
-	11	5338363.URPN.	USPAT	2003/09/17 18:43

-	15	("5338363"   "5423936"   "5447570"   "5589002"   "5614026"   "5746875"   "5919332"   "5985033"   "6007635"   "6027604"   "6036782"   "6050216"   "6053982"   "6123775"   "6123791").PN.	USPAT	2003/09/17 18:45
-	1	("6179920").PN.	USPAT;	2004/04/14 17:38
-	0	"10032284"	US-PGPUB	
-	18	"10/032,284"	USPAT;	2004/04/14 17:56
-	8	(gas with (deliver\$3 supply\$3) with funnel) and (118/715-733.ccls. 156/345\$.ccls. 204/298.ccls.)	US-PGPUB	
-	5	6143077.URPN.	USPAT;	2004/04/14 18:01
-	6	("4825809"   "4854263"   "5108792"   "5200232"   "5264040"   "5536319").PN.	US-PGPUB	
-	53	5200232.URPN.	USPAT;	2004/04/14 18:37
-	3	6001267.URPN.	USPAT;	2004/04/14 18:04
-	34	("3656454"   "4512283"   "4558388"   "4565601"   "4724621"   "4771730"   "4795529"   "4798165"   "4828369"   "4848273"   "4876983"   "4918031"   "4949671"   "4960488"   "4975252"   "4986890"   "4990229"   "5000113"   "5091049"   "5105761"   "5122251"   "5124014"   "5200232"   "5310452"   "5330610"   "5376628"   "5378311"   "5389154"   "5449432"   "5522937"   "5525159"   "5537004"   "5554223"   "5626679").PN.	USPAT	2004/04/14 18:05
-	3	6001267.URPN.	USPAT	2004/04/14 18:07
-	19	("3993509"   "4184188"   "4354911"   "4384918"   "4401054"   "4525375"   "4709655"   "4902934"   "4910042"   "4913929"   "4962727"   "4987857"   "4996077"   "5009920"   "5024748"   "5027746"   "5047115"   "5080039"   "5094885").PN.	USPAT	2004/04/14 18:18
-	11	("3246627"   "4495889"   "4683143"   "4883020"   "4945856"   "5079045"   "5167717"   "5248380"   "5292554"   "5324540"   "5439525").PN.	USPAT	2004/04/14 18:25
-	11	("3246627"   "4495889"   "4683143"   "4883020"   "4945856"   "5079045"   "5167717"   "5248380"   "5292554"   "5324540"   "5439525").PN.	USPAT	2004/04/14 18:28
-	19	5536319.URPN.	USPAT	2004/04/14 18:29
-	5	6143077.URPN.	USPAT	2004/04/14 18:32
-	6	("4825809"   "4854263"   "5108792"   "5200232"   "5264040"   "5536319").PN.	USPAT	2004/04/14 18:32
-	5	((("4732110") or ("4987856") or ("4991542") or ("5264038") or ("6143077")).PN.	USPAT;	2004/04/14 18:37
-	1	("5528793").PN.	US-PGPUB	
-	0	PCT/US96/10657	USPAT;	2004/04/16 12:48
-	154	"10657"	US-PGPUB	
-	16	flehr.in.	USPAT;	2004/04/16 12:48
-	0	"199703223"	US-PGPUB	
-	8	"9703223"	USPAT;	2004/04/16 12:49
-	2	"02073624"	US-PGPUB	
-	2	((("4960488") or ("4744416"))).PN.	USPAT;	2004/04/16 12:51
-	1	("4774416").PN.	EPO; JPO; DERWENT	2004/04/16 12:51
-			EPO; JPO; DERWENT	2004/04/16 12:54
-			EPO; JPO; DERWENT	2004/04/16 12:55
-			USPAT;	2004/04/16 12:56
-			US-PGPUB	
-			USPAT;	2004/04/16 13:41
-			US-PGPUB	

-	64	(118/715-733.ccls. 156/345\$.ccls.) and (gas with choke)	USPAT; US-PGPUB	2004/04/16 15:11
-	761	((edge perimeter circumferen6\$6) with (constrict\$3 chok\$3 prevent\$3) with (flow\$3 gas)) same (substrate wafer)	USPAT; US-PGPUB	2004/04/16 16:28
-	170	((edge perimeter circumferen6\$6) with (constrict\$3 chok\$3 prevent\$3) with (flow\$3 gas)) same (substrate wafer) same (lid cover top)	USPAT; US-PGPUB	2004/04/16 15:10
-	469	(118/715-733.ccls. 156/345\$.ccls.) and ((slop\$3 taper\$3 slant\$3 diverg\$3 taper\$3) same (lid cover top))	USPAT; US-PGPUB	2004/04/16 15:12
-	248	(118/715-733.ccls. 156/345\$.ccls.) and ((slop\$3 taper\$3 slant\$3 diverg\$3 taper\$3) with(lid cover top))	USPAT; US-PGPUB	2004/04/16 15:21
-	11	(c23c016\$.ipc.) and ((slop\$3 taper\$3 slant\$3 diverg\$3 taper\$3) with (lid cover top) with surface)	EPO; JPO; DERWENT	2004/04/16 15:45
-	4	"2003035927"	EPO; JPO; DERWENT	2004/04/16 15:17
-	0	"035927"	EPO; JPO; DERWENT	2004/04/16 15:17
-	97	(118/715-733.ccls. 156/345\$.ccls.) and ((slop\$3 taper\$3 slant\$3 diverg\$3 taper\$3) with (lid cover top) with surface)	USPAT; US-PGPUB	2004/04/16 15:17
-	26	(118/715-733.ccls. 156/345\$.ccls.) and ((slop\$3 taper\$3 slant\$3 diverg\$3 taper\$3) with (lid cover) with surface)	USPAT; US-PGPUB	2004/04/16 15:17
-	61	(118/715-733.ccls. 156/345\$.ccls.) and ((slop\$3 taper\$3 slant\$3 diverg\$3 taper\$3) with (lid cover))	USPAT; US-PGPUB	2004/04/16 15:44
-	35	((118/715-733.ccls. 156/345\$.ccls.) and ((slop\$3 taper\$3 slant\$3 diverg\$3 taper\$3) with (lid cover))) not ((118/715-733.ccls. 156/345\$.ccls.) and ((slop\$3 taper\$3 slant\$3 diverg\$3 taper\$3) with (lid cover) with surface))	USPAT; US-PGPUB	2004/04/16 15:21
-	8	("4866346"   "4877509"   "4985109"   "5078823"   "5081398"   "5134965"   "5270616"   "5433789").PN.	USPAT	2004/04/16 15:22
-	8	5646489.URPN.	USPAT	2004/04/16 15:24
-	4	("4786352"   "5346578"   "5646489"   "5685941").PN.	USPAT	2004/04/16 15:26
-	19	(c23c016\$.ipc.) and ((slop\$3 taper\$3 slant\$3 diverg\$3 taper\$3 curv\$3 convex concav\$3) with (lid cover))	EPO; JPO; DERWENT	2004/04/16 15:54
-	1	474251.URPN.	USPAT	2004/04/16 15:48
-	1	("5085887").PN.	USPAT; US-PGPUB	2004/04/16 15:54
-	31	5085887.URPN.	USPAT	2004/04/16 15:54
-	3	5573566.URPN.	USPAT	2004/04/16 15:58
-	4	("3721210"   "4920918"   "4958061"   "5000113").PN.	USPAT	2004/04/16 16:07
-	14	3721210.URPN.	USPAT	2004/04/16 16:09
-	10	("2953483"   "3020128"   "3041133"   "3161542"   "3223549"   "3236205"   "3321092"   "3466079"   "3469560"   "3627590").PN.	USPAT	2004/04/16 16:11
-	86	(118/715-733.ccls. 156/345\$.ccls.) and ((curv\$3 convex concav\$3) with (lid cover))	USPAT; US-PGPUB	2004/04/16 16:12
-	122	((edge perimeter circumferen6\$6) with (restrict3 constrain\$3 constrict\$3 chok\$3 prevent\$3) with (flow\$3 with gas)) and (118/715-733.ccls 156/345\$.ccls. (216/\$.ccls. and gas) (438/\$.ccls. and gas) (427/\$.ccls. and gas))	USPAT; US-PGPUB	2004/04/16 16:42
-	122	((edge perimeter circumferen6\$6) with (restrict3 constrain\$3 constrict\$3 chok\$3 prevent\$3) with (flow\$3 with gas)) and (118/715-733.ccls 156/345\$.ccls. 216/\$.ccls. 438/\$.ccls. 427/\$.ccls.)	USPAT; US-PGPUB	2004/04/16 17:23

-	3	((("6302965") or ("4761269") or ("3291456"))).PN.	USPAT; US-PGPUB	2004/04/16 17:23
-	1	("6179920").PN.	USPAT; US-PGPUB	2004/04/19 14:50
-	114	(US-5620523-\$ or US-5338363-\$ or US-5338364-\$ or US-5264038-\$ or US-5062386-\$ or US-4997677-\$ or US-4976217-\$ or US-4987856-\$ or US-4961399-\$ or US-4920918-\$ or US-4909914-\$ or US-4907534-\$ or US-5085887-\$ or US-4825809-\$ or US-4761171-\$ or US-4761269-\$ or US-4632060-\$ or US-3673051-\$ or US-6589610-\$ or US-5256205-\$ or US-5204145-\$ or US-5132512-\$ or US-6596085-\$ or US-5919332-\$ or US-5200232-\$ or US-6001267-\$).did. or (US-5047115-\$ or US-5024748-\$ or US-6086952-\$ or US-6079356-\$ or US-6474986-\$ or US-5346578-\$ or US-5710407-\$ or US-5573566-\$ or US-6129546-\$ or US-6179955-\$ or US-6222161-\$ or US-4510176-\$ or US-6508197-\$ or US-6334983-\$ or US-6289842-\$ or US-6165314-\$ or US-6022414-\$ or US-5996528-\$ or US-5942074-\$ or US-5851294-\$ or US-5597439-\$ or US-5685914-\$ or US-5423936-\$ or US-5496410-\$ or US-5494522-\$ or US-5328556-\$ or US-5264040-\$).did. or (US-5105761-\$ or US-4901667-\$ or US-4718976-\$ or US-4590042-\$ or US-4614639-\$ or US-4595452-\$ or US-5614026-\$ or US-5368646-\$ or US-5273588-\$ or US-6436193-\$ or US-6454860-\$ or US-6179920-\$ or US-6093252-\$ or US-5846330-\$ or US-5725672-\$ or US-5284519-\$ or US-4774416-\$ or US-6540837-\$ or US-6471782-\$ or US-6450803-\$ or US-6428847-\$ or US-6306216-\$ or US-6302965-\$ or US-6159299-\$ or US-6210485-\$ or US-6143077-\$ or US-6123776-\$).did. or (US-6099648-\$ or US-6071375-\$ or US-6070551-\$ or US-5888303-\$ or US-5776254-\$).did. or (US-20030108674-\$ or US-20030124262-\$ or US-20030082301-\$ or US-20020011215-\$ or US-20030116087-\$ or US-20030121608-\$ or US-20030079686-\$ or US-20030019580-\$ or US-20030019428-\$ or US-20010035127-\$ or US-20030159653-\$ or US-20030140857-\$ or US-20020046704-\$).did. or (WO-3035927-\$ or WO-9703223-\$).did. or (JP-11006069-\$ or JP-63176474-\$ or JP-62116770-\$ or JP-63020483-\$ or JP-62116771-\$ or JP-62116774-\$ or JP-2001152344-\$ or JP-02073624-\$).did. or (WO-2003035927-\$ or WO-9840533-\$ or EP-991792-\$ or DE-4005796-\$ or EP-474251-\$ or EP-418554-\$).did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/19 16:06
-	1	(US-3291456-\$).did.	USOCR	2004/04/19 16:06

	9	((US-5620523-\$ or US-5338363-\$ or US-5338364-\$ or US-5264038-\$ or US-5062386-\$ or US-4997677-\$ or US-4976217-\$ or US-4987856-\$ or US-4961399-\$ or US-4920918-\$ or US-4909914-\$ or US-4907534-\$ or US-5085887-\$ or US-4825809-\$ or US-4761171-\$ or US-4761269-\$ or US-4632060-\$ or US-3673051-\$ or US-6589610-\$ or US-5256205-\$ or US-5204145-\$ or US-5132512-\$ or US-6596085-\$ or US-5919332-\$ or US-5200232-\$ or US-6001267-\$).did. or (US-5047115-\$ or US-5024748-\$ or US-6086952-\$ or US-6079356-\$ or US-6474986-\$ or US-5346578-\$ or US-5710407-\$ or US-5573566-\$ or US-6129546-\$ or US-6179955-\$ or US-6222161-\$ or US-4510176-\$ or US-6508197-\$ or US-6334983-\$ or US-6289842-\$ or US-6165314-\$ or US-6022414-\$ or US-5996528-\$ or US-5942074-\$ or US-5851294-\$ or US-5597439-\$ or US-5685914-\$ or US-5423936-\$ or US-5496410-\$ or US-5494522-\$ or US-5328556-\$ or US-5264040-\$).did. or (US-5105761-\$ or US-4901667-\$ or US-4718976-\$ or US-4590042-\$ or US-4614639-\$ or US-4595452-\$ or US-5614026-\$ or US-5368646-\$ or US-5273588-\$ or US-6436193-\$ or US-6454860-\$ or US-6179920-\$ or US-6093252-\$ or US-5846330-\$ or US-5725672-\$ or US-5284519-\$ or US-4774416-\$ or US-6540837-\$ or US-6471782-\$ or US-6450803-\$ or US-6428847-\$ or US-6306216-\$ or US-6302965-\$ or US-6159299-\$ or US-6210485-\$ or US-6143077-\$ or US-6123776-\$).did. or (US-6099648-\$ or US-6071375-\$ or US-6070551-\$ or US-5888303-\$ or US-5776254-\$).did. or (US-20030108674-\$ or US-20030124262-\$ or US-20030082301-\$ or US-20020011215-\$ or US-20030116087-\$ or US-20030121608-\$ or US-20030079686-\$ or US-20030019580-\$ or US-20030019428-\$ or US-20010035127-\$ or US-20030159653-\$ or US-20030140857-\$ or US-20020046704-\$).did. or (WO-3035927-\$ or WO-9703223-\$).did. or (JP-11006069-\$ or JP-63176474-\$ or JP-62116770-\$ or JP-63020483-\$ or JP-62116771-\$ or JP-62116774-\$ or JP-2001152344-\$ or JP-02073624-\$).did. or (WO-2003035927-\$ or WO-9840533-\$ or EP-991792-\$ or DE-4005796-\$ or EP-474251-\$ or EP-418554-\$).did.) and (small with volume)	USPAT; US-PGPUB	2004/04/19 16:06
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-	114	(US-6508197-\$ or US-6334983-\$ or US-6289842-\$ or US-6165314-\$ or US-5851294-\$ or US-6022414-\$ or US-5996528-\$ or US-5942074-\$ or US-5685914-\$ or US-5597439-\$ or US-5496410-\$ or US-5494522-\$ or US-5423936-\$ or US-5328556-\$ or US-5264040-\$ or US-5105761-\$ or US-4901667-\$ or US-4718976-\$ or US-4614639-\$ or US-4595452-\$ or US-4590042-\$ or US-5614026-\$ or US-5368646-\$ or US-5273588-\$ or US-6454860-\$ or US-6436193-\$).did. or (US-6179920-\$ or US-6093252-\$ or US-5846330-\$ or US-5725672-\$ or US-5284519-\$ or US-4774416-\$ or US-6540837-\$ or US-6471782-\$ or US-6450803-\$ or US-6428847-\$ or US-6306216-\$ or US-6302965-\$ or US-6210485-\$ or US-6159299-\$ or US-6143077-\$ or US-6123776-\$ or US-6099648-\$ or US-6071375-\$ or US-6070551-\$ or US-5888303-\$ or US-5776254-\$ or US-5620523-\$ or US-5338364-\$ or US-5338363-\$ or US-5264038-\$ or US-5085887-\$ or US-5062386-\$).did. or (US-4997677-\$ or US-4987856-\$ or US-4976217-\$ or US-4961399-\$ or US-4920918-\$ or US-4909914-\$ or US-4907534-\$ or US-4825809-\$ or US-4761269-\$ or US-4761171-\$ or US-4632060-\$ or US-3673051-\$ or US-6589610-\$ or US-5256205-\$ or US-5204145-\$ or US-5132512-\$ or US-6596085-\$ or US-5919332-\$ or US-5200232-\$ or US-6001267-\$ or US-5047115-\$ or US-5024748-\$ or US-6086952-\$ or US-6079356-\$ or US-6474986-\$ or US-5346578-\$ or US-5710407-\$).did. or (US-5573566-\$ or US-6222161-\$ or US-6179955-\$ or US-6129546-\$ or US-4510176-\$).did. or (US-20030121608-\$ or US-20030116087-\$ or US-20030079686-\$ or US-20030019580-\$ or US-20030019428-\$ or US-20010035127-\$ or US-20030159653-\$ or US-20030140857-\$ or US-20020046704-\$ or US-20030124262-\$ or US-20030108674-\$ or US-20030082301-\$ or US-20020011215-\$).did. or (WO-3035927-\$ or WO-9703223-\$).did. or (JP-63176474-\$ or JP-2001152344-\$ or JP-11006069-\$ or JP-63020483-\$ or JP-62116771-\$ or JP-62116774-\$ or JP-62116770-\$ or JP-02073624-\$).did. or (WO-2003035927-\$ or EP-991792-\$ or WO-9840533-\$ or DE-4005796-\$ or EP-474251-\$ or EP-418554-\$).did. (US-3291456-\$).did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/20 12:06
-	1	pneumatic\$4 with valve	USOCR	2004/04/20 12:06
-	30704		USPAT; US-PGPUB	2004/04/20 12:07



-	5	((US-6508197-\$ or US-6334983-\$ or US-6289842-\$ or US-6165314-\$ or US-5851294-\$ or US-6022414-\$ or US-5996528-\$ or US-5942074-\$ or US-5685914-\$ or US-5597439-\$ or US-5496410-\$ or US-5494522-\$ or US-5423936-\$ or US-5328556-\$ or US-5264040-\$ or US-5105761-\$ or US-4901667-\$ or US-4718976-\$ or US-4614639-\$ or US-4595452-\$ or US-4590042-\$ or US-5614026-\$ or US-5368646-\$ or US-5273588-\$ or US-6454860-\$ or US-6436193-\$).did. or (US-6179920-\$ or US-6093252-\$ or US-5846330-\$ or US-5725672-\$ or US-5284519-\$ or US-4774416-\$ or US-6540837-\$ or US-6471782-\$ or US-6450803-\$ or US-6428847-\$ or US-6306216-\$ or US-6302965-\$ or US-6210485-\$ or US-6159299-\$ or US-6143077-\$ or US-6123776-\$ or US-6099648-\$ or US-6071375-\$ or US-6070551-\$ or US-5888303-\$ or US-5776254-\$ or US-5620523-\$ or US-5338364-\$ or US-5338363-\$ or US-5264038-\$ or US-5085887-\$ or US-5062386-\$).did. or (US-4997677-\$ or US-4987856-\$ or US-4976217-\$ or US-4961399-\$ or US-4920918-\$ or US-4909914-\$ or US-4907534-\$ or US-4825809-\$ or US-4761269-\$ or US-4761171-\$ or US-4632060-\$ or US-3673051-\$ or US-6589610-\$ or US-5256205-\$ or US-5204145-\$ or US-5132512-\$ or US-6596085-\$ or US-5919332-\$ or US-5200232-\$ or US-6001267-\$ or US-5047115-\$ or US-5024748-\$ or US-6086952-\$ or US-6079356-\$ or US-6474986-\$ or US-5346578-\$ or US-5710407-\$).did. or (US-5573566-\$ or US-6222161-\$ or US-6179955-\$ or US-6129546-\$ or US-4510176-\$).did. or (US-20030121608-\$ or US-20030116087-\$ or US-20030079686-\$ or US-20030019580-\$ or US-20030019428-\$ or US-20010035127-\$ or US-20030159653-\$ or US-20030140857-\$ or US-20020046704-\$ or US-20030124262-\$ or US-20030108674-\$ or US-20030082301-\$ or US-20020011215-\$).did. or (WO-3035927-\$ or WO-9703223-\$).did. or (JP-63176474-\$ or JP-2001152344-\$ or JP-11006069-\$ or JP-63020483-\$ or JP-62116771-\$ or JP-62116774-\$ or JP-62116770-\$ or JP-02073624-\$).did. or (WO-2003035927-\$ or EP-991792-\$ or WO-9840533-\$ or DE-4005796-\$ or EP-474251-\$ or EP-418554-\$).did.) and (pneumatic\$4 with valve)	USPAT; US-PGPUB	2004/04/20 12:07
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-	3	((US-6508197-\$ or US-6334983-\$ or US-6289842-\$ or US-6165314-\$ or US-5851294-\$ or US-6022414-\$ or US-5996528-\$ or US-5942074-\$ or US-5685914-\$ or US-5597439-\$ or US-5496410-\$ or US-5494522-\$ or US-5423936-\$ or US-5328556-\$ or US-5264040-\$ or US-5105761-\$ or US-4901667-\$ or US-4718976-\$ or US-4614639-\$ or US-4595452-\$ or US-4590042-\$ or US-5614026-\$ or US-5368646-\$ or US-5273588-\$ or US-6454860-\$ or US-6436193-\$).did. or (US-6179920-\$ or US-6093252-\$ or US-5846330-\$ or US-5725672-\$ or US-5284519-\$ or US-4774416-\$ or US-6540837-\$ or US-6471782-\$ or US-6450803-\$ or US-6428847-\$ or US-6306216-\$ or US-6302965-\$ or US-6210485-\$ or US-6159299-\$ or US-6143077-\$ or US-6123776-\$ or US-6099648-\$ or US-6071375-\$ or US-6070551-\$ or US-5888303-\$ or US-5776254-\$ or US-5620523-\$ or US-5338364-\$ or US-5338363-\$ or US-5264038-\$ or US-5085887-\$ or US-5062386-\$).did. or (US-4997677-\$ or US-4987856-\$ or US-4976217-\$ or US-4961399-\$ or US-4920918-\$ or US-4909914-\$ or US-4907534-\$ or US-4825809-\$ or US-4761269-\$ or US-4761171-\$ or US-4632060-\$ or US-3673051-\$ or US-6589610-\$ or US-5256205-\$ or US-5204145-\$ or US-5132512-\$ or US-6596085-\$ or US-5919332-\$ or US-5200232-\$ or US-6001267-\$ or US-5047115-\$ or US-5024748-\$ or US-6086952-\$ or US-6079356-\$ or US-6474986-\$ or US-5346578-\$ or US-5710407-\$).did. or (US-5573566-\$ or US-6222161-\$ or US-6179955-\$ or US-6129546-\$ or US-4510176-\$).did. or (US-20030121608-\$ or US-20030116087-\$ or US-20030079686-\$ or US-20030019580-\$ or US-20030019428-\$ or US-20010035127-\$ or US-20030159653-\$ or US-20030140857-\$ or US-20020046704-\$ or US-20030124262-\$ or US-20030108674-\$ or US-20030082301-\$ or US-20020011215-\$).did. or (WO-3035927-\$ or WO-9703223-\$).did. or (JP-63176474-\$ or JP-2001152344-\$ or JP-11006069-\$ or JP-63020483-\$ or JP-62116771-\$ or JP-62116774-\$ or JP-62116770-\$ or JP-02073624-\$).did. or (WO-2003035927-\$ or EP-991792-\$ or WO-9840533-\$ or DE-4005796-\$ or EP-474251-\$ or EP-418554-\$).did.) and (ikedai)	USPAT; US-PGPUB	2004/04/20 12:09
-	21	c23c016\$.ipc. and (valve with zero with dead)\	USPAT; US-PGPUB	2004/04/20 12:44
-	21	c23c016\$.ipc. and (valve with zero with dead)	USPAT; US-PGPUB	2004/04/20 12:50
-	0	c23c016\$.ipc. and (valve with zero with dead)	EPO; JPO; DERWENT	2004/04/20 12:44
-	3	valve with zero with dead with volume	EPO; JPO; DERWENT	2004/04/20 12:39
-	1	("5542452").PN.	USPAT; US-PGPUB	2004/04/20 12:31
-	150	valve with zero with dead with volume	USPAT; US-PGPUB	2004/04/20 12:39
-	17	valve with zero with dead with volume with gas	USPAT; US-PGPUB	2004/04/20 12:43



-	2	c23c016\$.ipc. and (valve with actuat\$4	EPO; JPO;	2004/04/20 12:45
-	1	with (electric\$4 pneumatic\$4)) ("5224513").PN.	DERWENT USPAT; US-PGPUB	2004/04/20 12:46